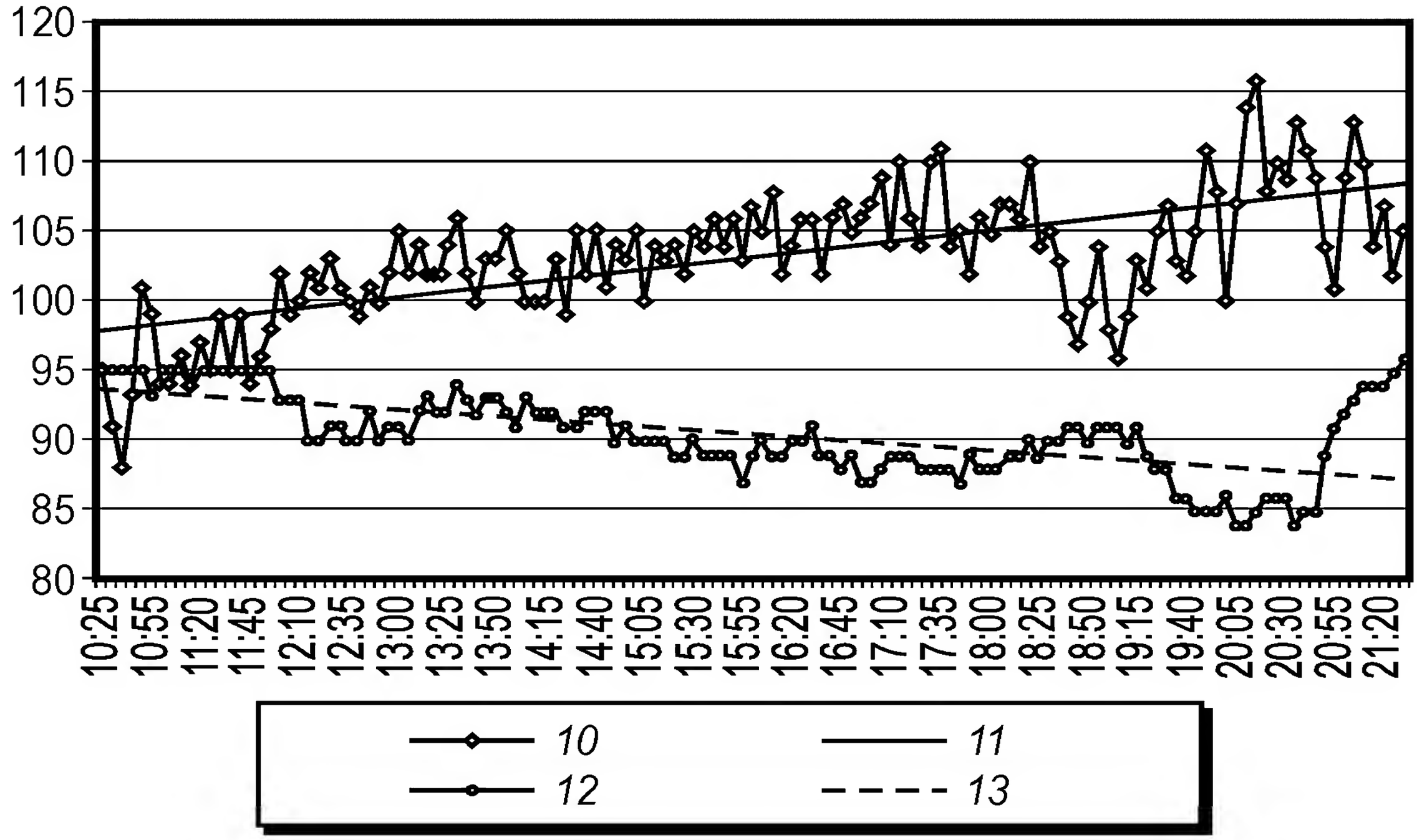
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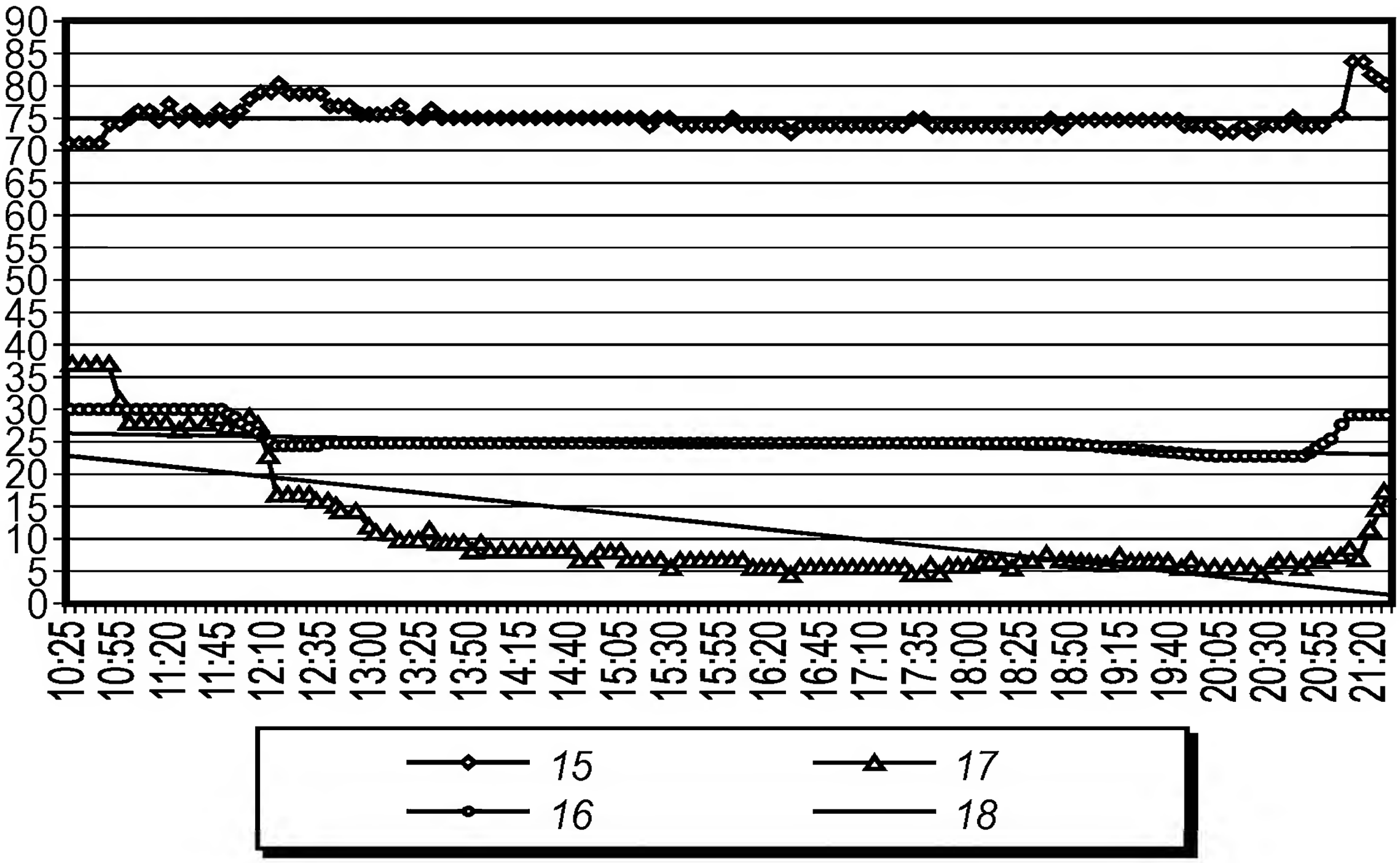
10
11
12
13

FIG. 1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11:20
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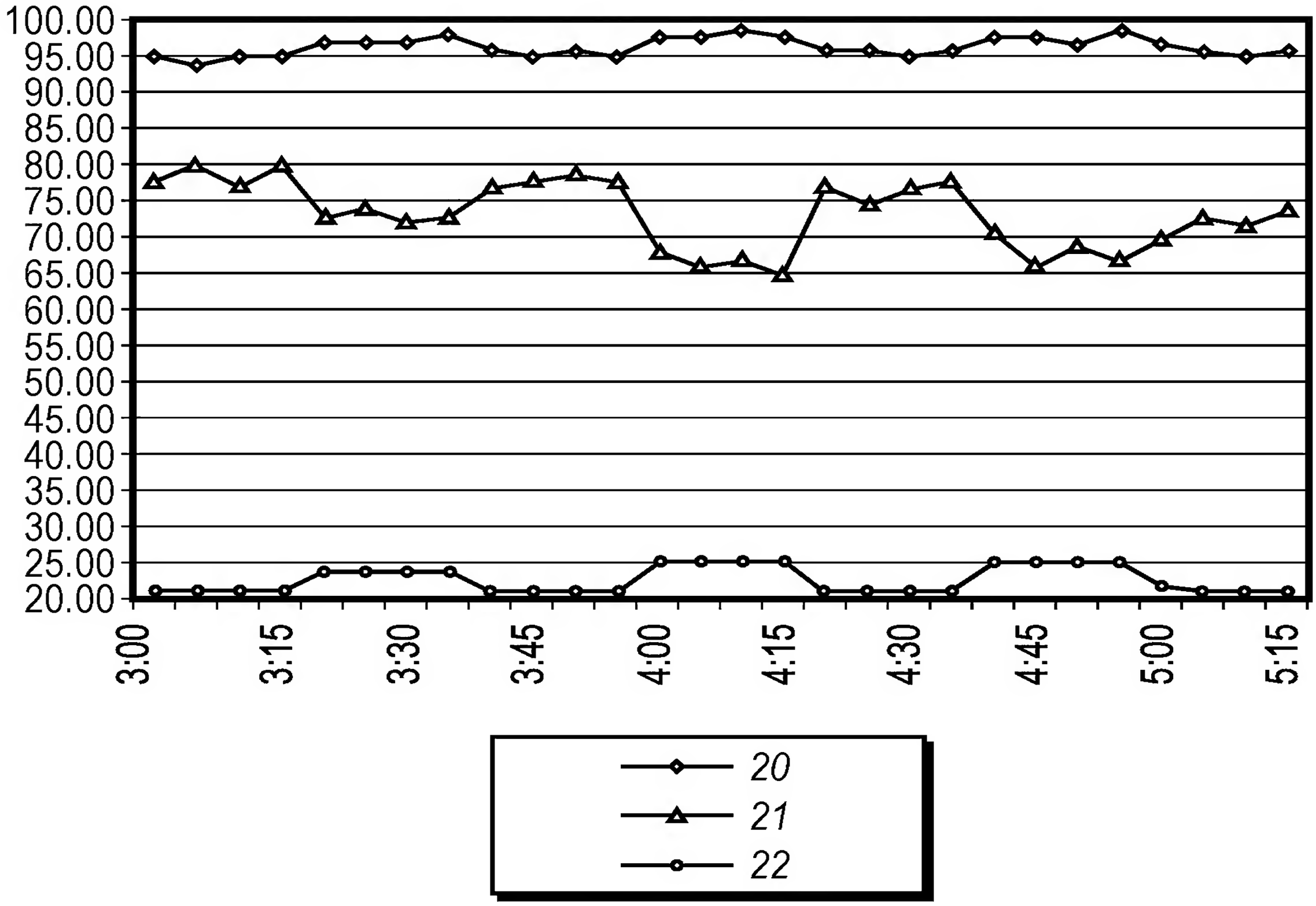
FIG. 2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22

FIG. 3

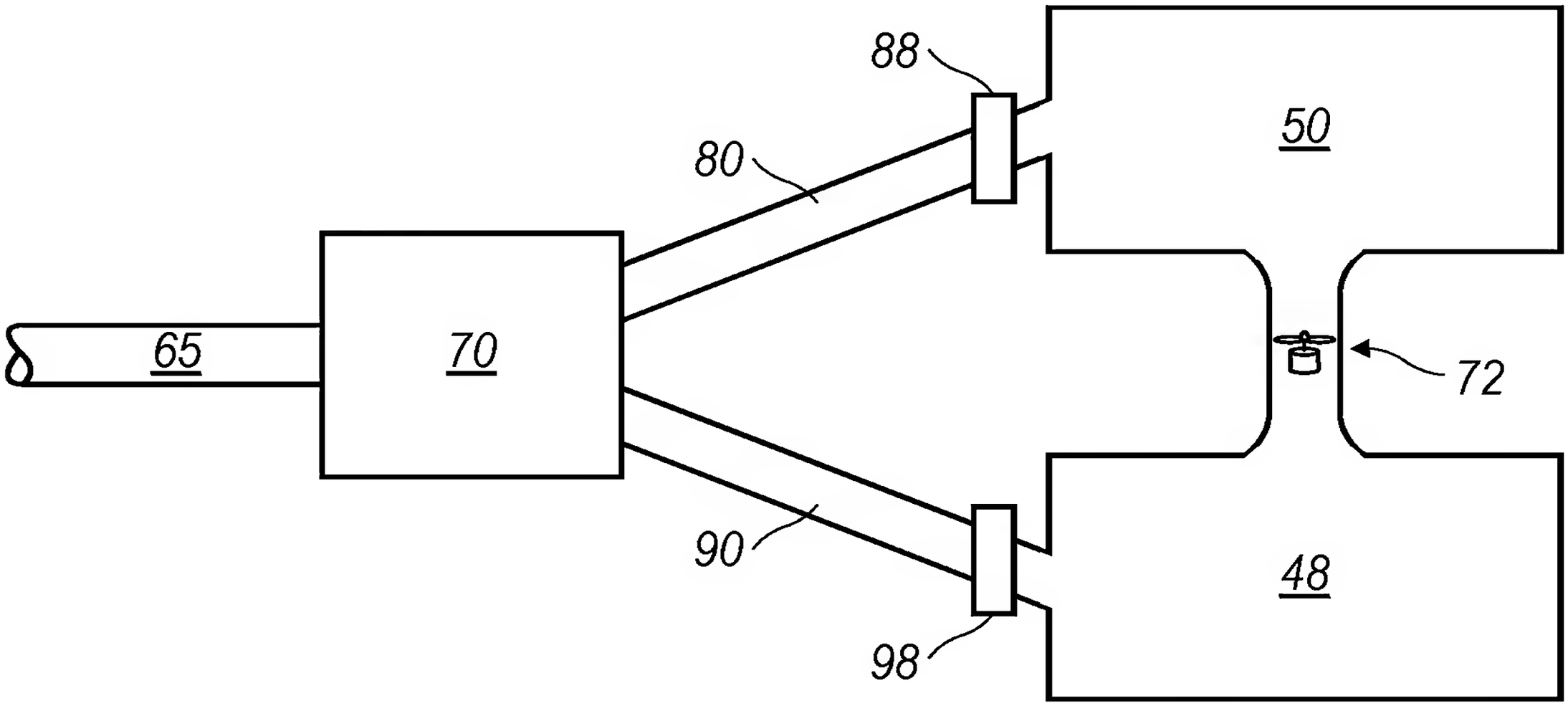
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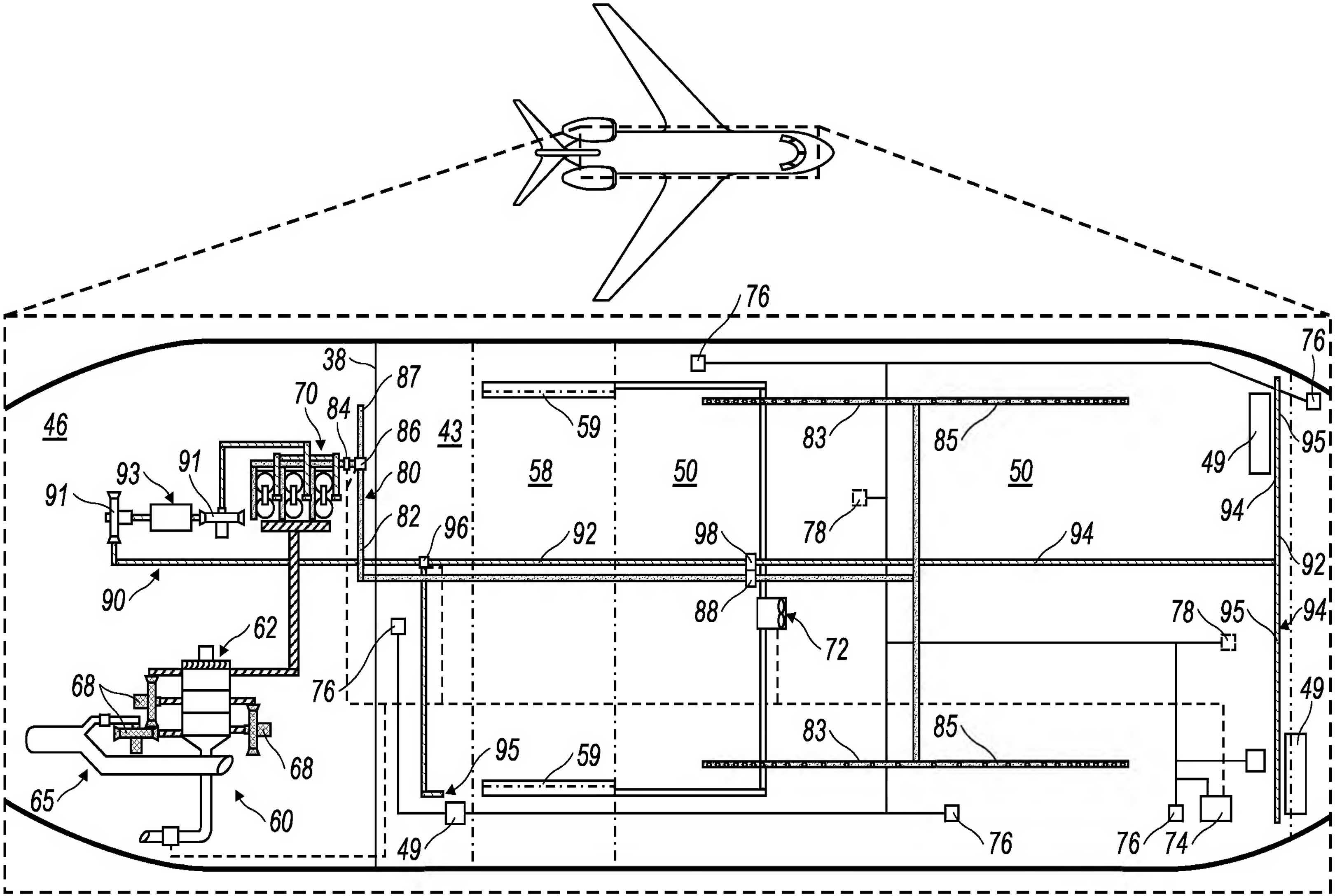
FIG. 4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94
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90
88
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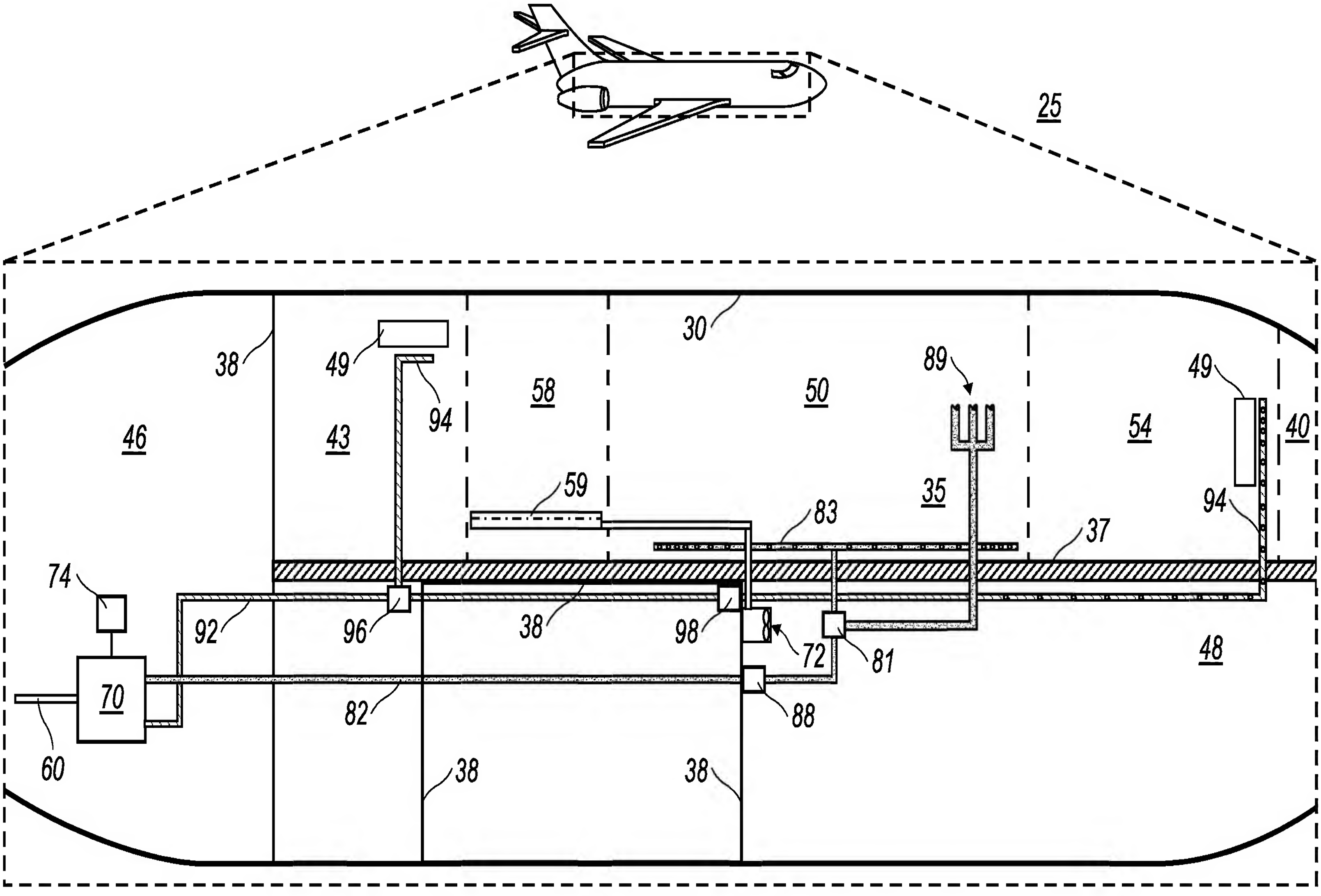
76
76
74

FIG. 5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82
88
60
38
38

FIG. 6

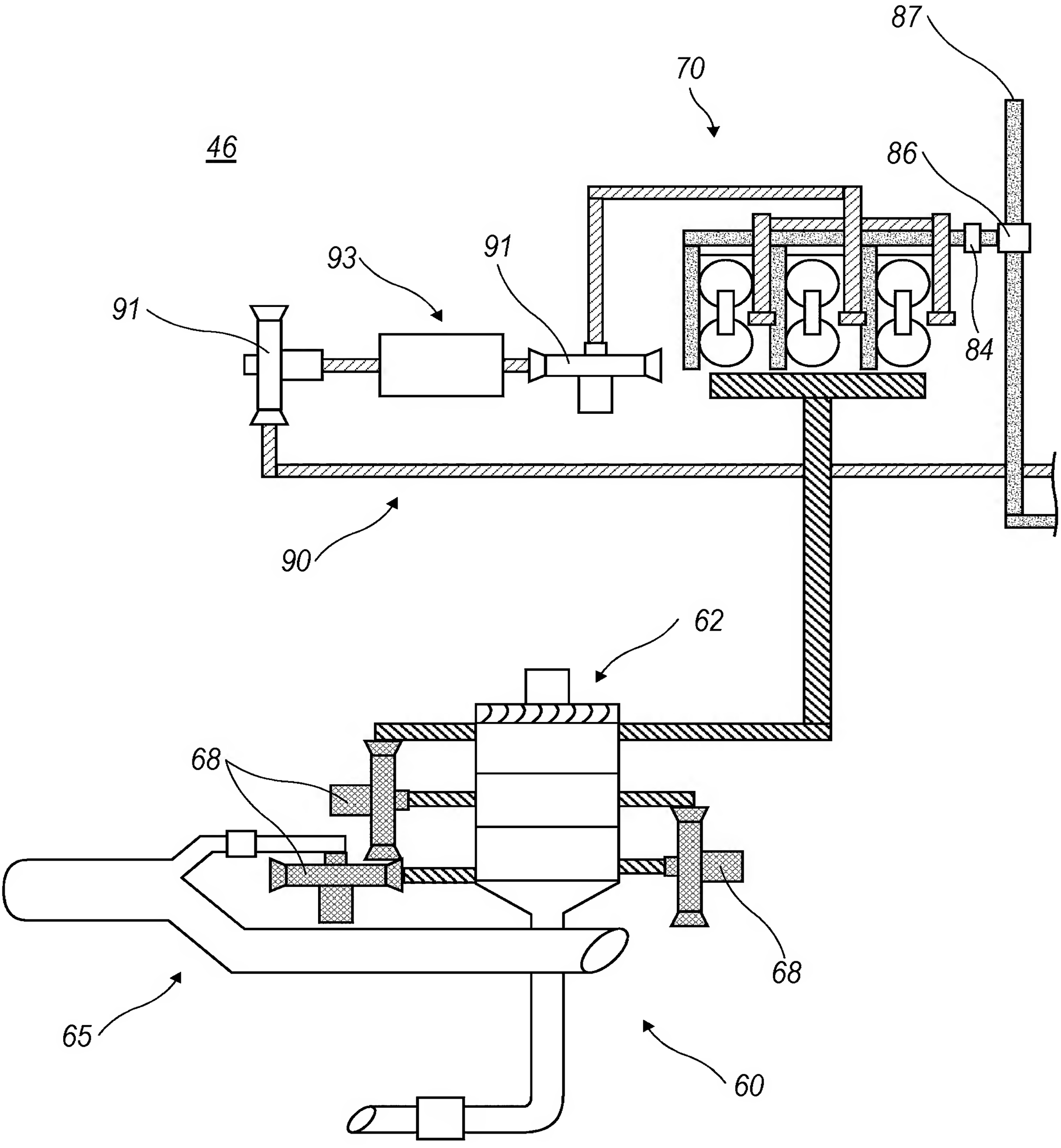


FIG. 7

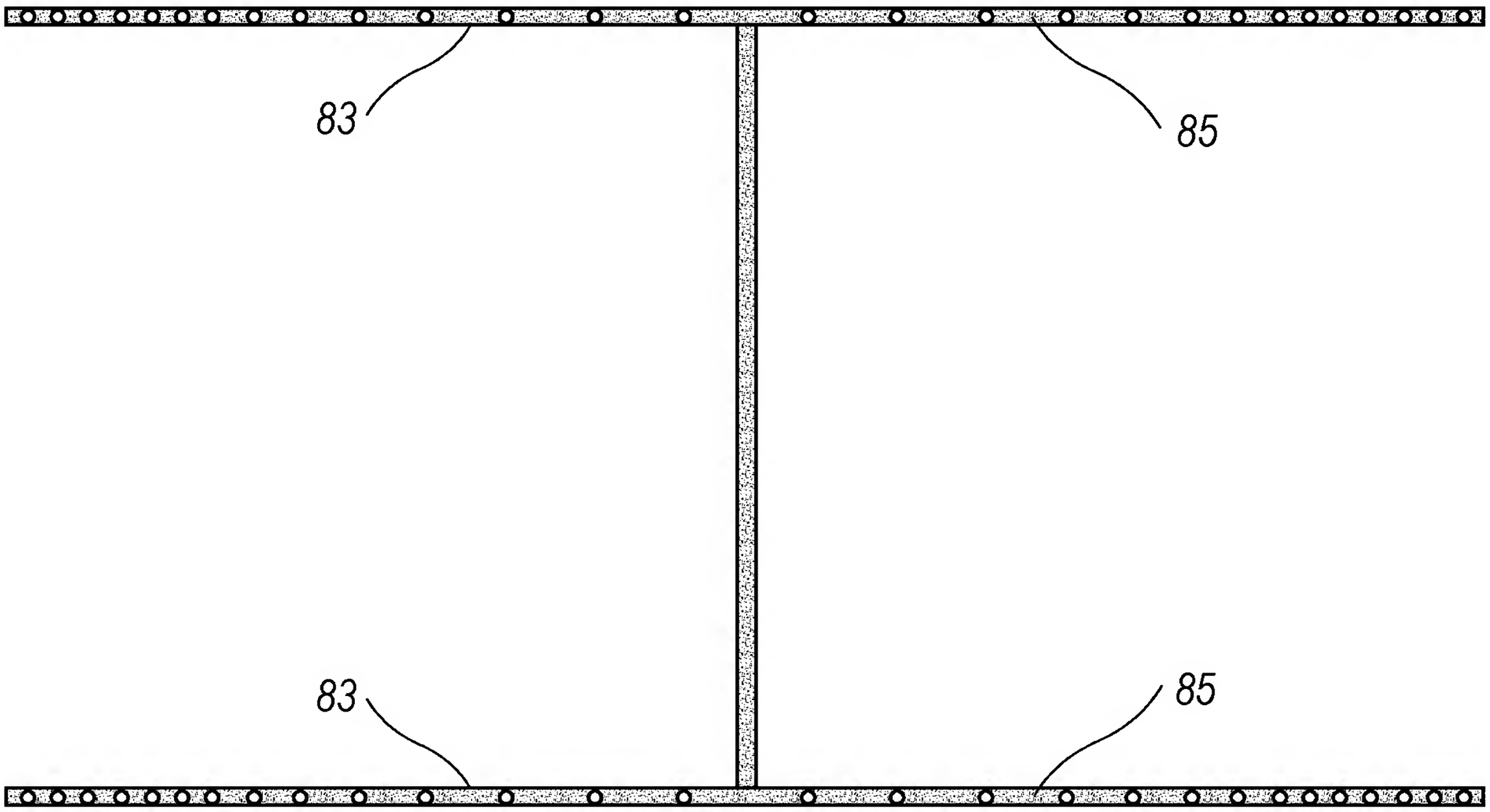


FIG. 8


FIG. 9

| CSD | BSD | USD | WOW | SO2 | PpO2 =/> Target | Ckpt Sw On | Function |
|---|---|---|---|---|---|---|---|
| | | | | | | X | • Separators on<br>• O2 to distribution<br>• Dedicated return fan – forward |
| | | | | | X | X | Separators off, air supply and RAM air valves to 'system off' configuration |
| X | | | | | | X | • Separators on<br>• O2 ducted overboard<br>• Proportional valve to N2 production<br>• Dedicated return air fan reversed<br>• Once cabin is at 20.95% O2, if N2 fire suppression with passengers on mask O2 is **not** approved, system should continue in N2 production mode, regulating cabin O2 to the unassisted breathing safe certification limit until flight crew turns the system off.<br>  • If cabin N2 fire suppression is approved with passengers on mask O2, system should continue in N2 production mode, regulating the cabin to the passengers on mask safe certification limit |
| | X | | | | | X | • Separators on<br>• O2 ducted overboard<br>• Proportional valve to N2 production<br>• Open baggage N2 valve<br>• Crew turns system off before entering baggage (if baggage is accessible) to finish suppressing fire |
| | | X | | | | | • Separators on<br>• O2 ducted overboard<br>• Dedicated return air fan off<br>• Proportional valve to N2 production, regulate underfloor area to fire suppression level until flight crew turns the system off |
| X | X | | | | | | • Separators on<br>• O2 ducted overboard<br>• Proportional valve to N2 production<br>• Split N2 enriched stream between baggage compartment and cabin underfloor area, regulating baggage compartment to suppression level ppO2 and cabin underfloor area toward suppression level (priority to baggage area), until flight crew turns system off<br>• Dedicated return air fan reversed<br>• Once cabin is at 20.95% O2, if N2 fire suppression with passengers on mask O2 is **not** approved, system should continue in N2 production mode, regulating cabin O2 to the unassisted breathing safe certification limit until flight crew turns the system off.<br>  • If cabin N2 fire suppression is approved with passengers on mask O2, system should continue in N2 production mode, regulating the cabin to the passengers on mask safe certification limit |
| X | X | X | | | | | • Separators on<br>• O2 ducted overboard<br>• Proportional valve to N2 production<br>• Split N2 enriched stream between baggage compartment and cabin underfloor area, regulating baggage compartment and cabin underfloor area to suppression level, until flight crew turns system off<br>• Dedicated return air fan off<br>• Once cabin is at 20.95% O2, if N2 fire suppression with passengers on mask O2 is **not** approved, system should continue in N2 production mode, regulating cabin O2 to the unassisted breathing safe certification limit until flight crew turns the system off.<br>  • If cabin N2 fire suppression is approved with passengers on mask O2, system should continue in N2 production mode, regulating the cabin to the passengers on mask safe certification limit |
| | X | X | | | | | • Separators on<br>• O2 ducted overboard<br>• Proportional valve to N2 production<br>• Split N2 enriched stream between baggage compartment and cabin underfloor area, regulating baggage compartment and cabin underfloor area to suppression level, until flight crew turns system off<br>• Dedicated return air fan reversed |
| | | | X | | | X | Separators off, Tap off air and RAM air valves to system off configuration |
| | | | | X | | X | Separators on, SO2 valves to SO2, N2 to normal underfloor distribution |
| | | | X | X | | | Separators on, SO2 valves to SO2, N2 overboard |

Notes:

- WOW = Weight On Wheels
- CSD = Cabin Smoke Detected
- BSD = Baggage Smoke Detected
- USD = Underfloor Smoke Detected
- SO2 = Supplemental Oxygen Supply mode - Switches passenger O2 mask source to separator output from stored oxygen to extend the 'at altitude' duration when unable to maintain high enough cabin pressure for unassisted breathing beyond that achievable with stored oxygen.
- WOW at any time except in with SO2 option installed and active, turns Separators off.
- 'Separators on' means not only that the separators are turned on, but also that the air supply diverting valve, the RAM air tap, etc. are configured for separator operation.

FIG. 10